

**HELICOPTER  
ACCESSORY  
SERVICE, INC.**

**"Helicopter Hydraulic Specialists"  
Bell.Sikorsky.Eurocopter**

**10985 Penrose Street  
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**January 1, 2009**

## **CAPABILITIES LISTING**

### **ALPHANUMERICALLY WITHIN HELICOPTER MODEL**

#### **MODEL - BELL 47 (CALL)**

<b><u>PART NUMBER</u></b>	<b><u>MANUFACTURER'S P/N</u></b>	<b><u>DESCRIPTION</u></b>
<b>A6010</b>	<b>A6010</b>	<b>HYD. PUMP</b>
<b>CSC870-5</b>	<b>CSC870-5</b>	<b>DAMPER</b>
<b>1270-3</b>	<b>1270-3</b>	<b>SERVO ASSY.</b>
<b>103650-6,-7</b>	<b>103650-6,-7</b>	<b>SERVO ASSY.</b>
<b>1450</b>	<b>1450</b>	<b>SERVO ASSY.</b>
<b>4050</b>	<b>4050</b>	<b>VALVE ASSY.</b>
<b>67B025</b>	<b>67B025</b>	<b>HYD. PUMP</b>

**MODEL BELL 204/UH-1 SERIES**

<b><u>PART NUMBER</u></b>	<b><u>MANUFACTURER'S P/N</u></b>	<b><u>DESCRIPTION</u></b>
1U1025	1U1025	VALVE
204-010-937-007	SGT520-6	DAMPER
204-076-006-001	PVB-044-2	HYD. PUMP 1500 PSI
204-076-036-005	204-076-036-005	ROTOR BRAKE
204-076-052-009	41000870	SERVO ASSY.
204-076-053-	1660, SGT220	SERVO ASSY.
204-076-055-001	42550-3	VALVE ASSY.
204-076-055-101	42550-6	VALVE ASSY.
204-076-065-003	AA60321RA, R2A	PUMP RPL BY PV3-044-8
204-076-511-009	41000310-1	SERVO ASSY.
PV3-044-8,-8A	PV3-044-8,-8A	HYD. PUMP

**Bell 204/UH-1 SERIES Cont.**

<b><u>PART NUMBER</u></b>	<b><u>MANUFACTURER'S P/N</u></b>	<b><u>DESCRIPTION</u></b>
205-076-038-007	41000870	SERVO ASSY.
205-076-056-107	41000970-1	SERVO ASSY.
205-076-099-007	41000870	SERVO ASSY.

**MODEL - BELL 205**

<b><u>PART NUMBER</u></b>	<b><u>MANUFACTURER'S P/N</u></b>	<b><u>DESCRIPTION</u></b>
204-010-937-007	SGT520-6	DAMPER
PV3-044-8,-8A	PV3-044-8,-8A	HYD. PUMP
205-076-029-011	41105930	SERVO ASSY.
205-076-030-001	41105930	SERVO ASSY.
205-076-031-003	41105920	SERVO ASSY.
205-076-036-105,-107	41105950	SERVO ASSY.
205-076-041-001	205-076-041-001	ACCUMULATOR
206-076-191-001	42C42631	VALVE
212-076-006-005	48088820-5	VALVE & FILTER
212-076-011-001	AP2V-81	HYD. PUMP
206-062-687-101	1C64-1	FUEL PUMP OEM
2C27-3	2C27-3	CARTRIDGE OEM

**MODEL - BELL 206**

<b><u>PART NUMBER</u></b>	<b><u>MANUFACTURER'S P/N</u></b>	<b><u>DESCRIPTION</u></b>
206-076-015-003	206-076-015-003	VALVE
206-076-022-005	RR24050	HYD. PUMP
206-076-022-101	014544-300-01	HYD. PUMP
206-076-022-101	850500-101	HYD. PUMP
206-076-031-013	41000670-5	SERVO ASSY.
206-076-031-013	41103730	SERVO ASSY.
206-076-031-017	42C42641-1	SERVO ASSY.
206-076-031-021	41000670-7	SERVO ASSY.
206-076-031-023	42C42641-3	SERVO ASSY.
206-076-031-107	41000670-9	SERVO ASSY.
206-076-031-109	42C42641-9	SERVO ASSY.
206-076-034-001	11-10899	FILTER ASSY.

**BELL 206 Cont.**

<b><u>PART NUMBER</u></b>	<b><u>MANUFACTURER'S P/N</u></b>	<b><u>DESCRIPTION</u></b>
206-076-034-101	AD-A767-4	FILTER ASSY.
206-076-047-003	206-076-047-003	BRAKE CYL.
206-076-047-101	206-076-047-101	BRAKE CYL.

41103650-009  
41103750-017  
7U7467  
206-062-681-101  
1C27-10

41103650-009  
41103750-017  
7U7467  
1C38-1  
1C27-10

SERVO ASSY.  
SERVO ASSY.  
VALVE  
FUEL PUMP OEM  
CARTRIDGE OEM

**MODEL - BELL 206L & 407**

<b><u>PART NUMBER</u></b>	<b><u>MANUFACTURER'S P/N</u></b>	<b><u>DESCRIPTION</u></b>
206-076-030-101	AP09V-1-01	HYD. PUMP
206-076-030-111,-117	APO9V-1-04,-05	HYD. PUMP
206-076-034-101	AD-A767-4	FILTER ASSY.
206-076-035-101	AD-A767-6	FILTER ASSY.
206-076-036-001	1079-1	RELIEF VALVE
206-076-037-001	1U1025-57	VALVE
206-076-047-101	206-076-047-101	BRAKE CYL.
206-076-062-001	41001520-5	SERVO ASSY.
206-076-062-003	42C42642-1	SERVO ASSY.
206-076-062-005	41001520-7	SERVO ASSY.
206-076-062-101	42C42642-101	SERVO ASSY.
206-076-062-103	41001520-009	SERVO ASSY.
206-076-062-105	41011300-103	SERVO ASSY.
206-076-062-107	41011400-101	SERVO ASSY.
206-063-602-001	1C36-1	FUEL PUMP OEM
2C27-1	2C27-1	CARTRIDGE OEM

**BELL MODEL 212 & 412**

<b><u>PART NUMBER</u></b>	<b><u>MANUFACTURER'S P/N</u></b>	<b><u>DESCRIPTION</u></b>
204-010-937-009	SGT520-5	DAMPER
204-031-920-003	204-031-920-003	DAMPER

204-076-036-005	204-076-036-005	ROTOR BRAKE ASSY.
PV3-044-8,-8A	PV3-044-8,-8A	HYD. PUMP
212-076-004-003	41000570-1	SERVO ASSY.
212-076-004-005,-101	41000570-5,-7	SERVO ASSY.
212-076-005-007	41000470-005	SERVO ASSY.
212-076-005-011	41000470-011	SERVO ASSY.
212-076-005-101	41000470-013	SERVO ASSY.
212-076-005-103,-105,-111	41000470-105,-109	SERVO ASSY.
212-076-006-007	48088820-7	VALVE & FILTER
212-076-007-003	212-076-007-003	ACCUMULATOR
212-076-008-001	42C42627	VALVE
212-076-010-001,-101	AP2V-82,-01	HYD. PUMP
212-076-011-001,-101	AP2V-81.-01	HYD. PUMP
212-076-015-001	41000720	VALVE ASSY.
41001140-001	41001140-001	SCAS ACTUATOR
206-062-687-101	1C64-1	FUEL PUMP OEM
2C27-3	2C27-3	CARTRIDGE OEM

**MODEL-BELL 214**

<b><u>PART NUMBER</u></b>	<b><u>MANUFACTURER'S P/N</u></b>	<b><u>DESCRIPTION</u></b>
214-076-012-001	214-076-012-001	SCAS ACTUATOR
214-076-033-101	AP1V-105	HYD. PUMP OEM
214-076-146-101	214-076-146-101	SERVO ASSY.
214-076-147-001	214-076-147-001	SERVO ASSY.
214-076-161-101	214-076-161-101	SERVO ASSY.
214-076-161-103	214-076-161-103	SERVO ASSY.
214-076-161-105,-107	214-076-161-105,-107	SERVO ASSY.
214-076-294-101	214-076-294-101	SERVO ASSY.
214-076-317-101	214-076-317-101	RESERVOIR ASSY.

**MODEL - BELL 222**

<b><u>PART NUMBER</u></b>	<b><u>MANUFACTURER'S P/N</u></b>	<b><u>DESCRIPTION</u></b>
222-380-009-105	AP1V-47	HYD. PUMP OEM

**MODEL - SIKORSKY S-58 (CALL)**

<u>PART NUMBER</u>	<u>MANUFACTURE'S P/N</u>	<u>DESCRIPTION</u>
S1565-61970-001	S1565-61970-001	CYLINDER
S1610-26000-005	S1610-26000-005	DAMPER
S1625-61052-	11660	BRAKE CYL.
S1665-61515-001	S1665-61515-001	CYLINDER
S1665-61612-001	S1665-61612-001	SERVO ASSAY.
S1665-61750-001	S1665-61750-001	AUX SERVO
S1665-20003-001	S1665-20003-001	SERVO ASSAY.

**MODEL - SIKORSKY S-61**

<u>PART NUMBER</u>	<u>MANUFACTURER'S P/N</u>	<u>DESCRIPTION</u>
HP610100-2C104	HP610100-2C104	HYD. MANIFOLD
S1625-61052-	11660	BRAKE CYL.
S6110-26400-041	S6110-26400-041	DAMPER
S6125-50204-001	S6125-50204-001	MAIN STRUT
S6135-61044	9440345	CALIPER
S6165-50582	S6165-50582	STRUT ASSY.
S6165-61500-061	S6165-61500-061	AUX. SERVO
S6165-63101	S6165-63101	RETRACT CYL.
S6165-63575	S6165-63575	BRAKE CYL.
61650-20300	61650-20300	SERVO

**MODEL - SIKORSKY S-76**

<u>PART NUMBER</u>	<u>MANUFACTURER'S P/N</u>	<u>DESCRIPTION</u>
1944-	1944-	NOSE GEAR ACT.
1944-	1944-	N/G SHOCK STRUT
1945-	1945-	MAIN GEAR ACT.
1945-	1945-	M/G SHOCK STRUT

4608	4608	VALVE
76106-08000	76106-08000	M/R DAMPER
76363-09103-101	2-1489	CALIPER
76363-09103	76363-09103	CALIPER
76650-01802-102	A24553-2	VTA ACTUATOR
76650-05801-112	30006840	T/R SERVO
76650-05803-102	782600	T/R SERVO
76650-09805-110	30006760	MAIN SERVO
76650-09807-101	782500-1	MAIN SERVO
76650-09808-101	AP1V-111	HYD. PUMP OEM

**MODEL-EUROCOPTER AS350**

<b><u>PART NUMBER</u></b>	<b><u>MANUFACTURER'S P/N</u></b>	<b><u>DESCRIPTION</u></b>
AC67032	704A-44-831-115	T/R SERVO
AC67244	704A-44-831-112	LAT. SERVO
AC67246	704A-44-831-113	F & A SERVO
SC5072	704A44831142	T/R SERVO
SC5083	704A44831141	LAT. SERVO
SC5084	704A44831140	F&A SERVO
350A55-1011-3	1C45-4	FUEL PUMP OEM
1C45-5	1C45-5	CARTRIDGE OEM

Note \* Subject part numbers to change without notice.

**SUBJECT: DEFINITION, CUSTOMER SERVICE PROGRAMS**

**NORMAL OVERHAUL**

Normal Overhaul provides a completely overhauled unit. The work is accomplished in accordance with the latest manufacturers specifications and includes 100 % replacement of all seals, lapping control valve(s), relapping of poppets and seats, honing of pistons and cylinders, re-anodizing, replacement of bolts and bushings where indicated, non-destructive testing, assembly and test, and labor. Modifications and major parts beyond salvage are billed separately when required. Any charges beyond the normal overhaul cost will be advised prior to proceeding with required work. The above policy assures the lowest possible overall price for the operator.

### **SEAL CHANGE**

Seal changes provide 100 % replacement of all seals and minor rework to major components. The billing will be materials plus labor charges. Any charges beyond the seal change cost will be advised prior to proceeding with required work.

### **EXCHANGE UNITS**

All exchange units are re-manufactured to the latest manufacturers specifications, and are normally available for immediate delivery. In order to give the customer the best pricing, major component parts and modifications are not averaged into the exchange price. They are billed back after the core is received and evaluated. In this way the customer is not continually paying for modifications that have already been performed, or for parts that are not needed. All cores are accepted as exchange credit. The condition of the units will determine whether additional billing is required.

### **NORMAL DELIVERY**

Units are evaluated and quoted within 5 to 7 days of receipt. Because HAS stocks a wide range of replacement parts, delivery is normally 7 to 10 days after price approval.

Cont.

### **SUBJECT: WARRANTY POLICY**

Helicopter Accessory Service, Inc offers a 100 % warranty on our workmanship and materials, based on the following schedule:

1. For Hydraulic Accessories with a TBO, the warranty is 25% of that TBO.
2. For Hydraulic Accessories without a TBO, the warranty is 300 hours.

Any unit having fewer than the above designated hours and less than twelve months elapsed time since overhaul may be forwarded to HAS for warranty repair. Units having more hours than designated, and more than one year since overhaul, may be forwarded to HAS for time



**continued repairs. Helicopter Accessory Service, Inc. will not be liable for any consequential charges, damages nor for warranty on any assembly which has been misused, neglected or subjected to accident.**